

## Tricky topic, time

The concept of time and reading an analogue clock is tricky for many people to grasp, particularly when digital representations are more prevalent. You may find that not all pupils grasp reading and writing the time at this point in the year. Consider how you can make it a regular feature of your day, making use of visual timetables, Maths Meetings and opportunities to connect the time to events. The more exposure to analogue time pupils have the more likely they are to secure this understanding. See this article for further ideas.



## Calculating duration of time

L8 Calculate durations of time in minutes L9 Calculate durations of time in hours and minutes

In the final two lessons of the unit, pupils apply their understanding of reading analogue clocks to calculating time durations, first in minutes and then in hours and minutes. Modelling on an analogue clock and counting in five minute intervals (forward and back) is key to developing conceptual understanding. In Lesson 9, an empty number line is used alongside an analogue clock to record the steps used to calculate the time duration. When using this representation, careful modelling by 'thinking aloud' the steps and the connection to the analogue clock is key to pupils' understanding.

across a day.

clocks?

? What opportunities will you provide to connect the representations of an analogue clock, an empty number line and the language structures used?

## Representing the minute scale

The concept of the minute scale can be hard for pupils to identify on a clock face, and the videos provided exemplify ways in which you may make this clear. Consider recreating a clock face using blocks of five cubes to support this understanding.

> I know the time is ten past four because the minute hand is pointing to ten on the minute scale and the hour hand is pointing to just after the four on the hour scale.

? What set language structures will you use to support pupils in reading analogue

There is one consolidation lesson within the unit, and you may wish to use this here to continue to consolidate or deepen understanding of reading a clock.